

APPLICANTS: Grosse et al.
U.S.S.N.: 09/976,782

LISTING OF THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

What is claimed is:

1-4. (Canceled).

5. (Currently amended) An isolated nucleic acid molecule comprising a nucleic acid sequence encoding a polypeptide comprising an amino acid sequence SEQ ID NO: 16 ~~an amino acid sequence selected from the group consisting of:~~

- ~~(a) a mature form of an amino acid sequence selected from the group consisting of SEQ ID NOS:2, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, and 27;~~
- ~~(b) a variant of a mature form of an amino acid sequence selected from the group consisting of SEQ ID NOS:2, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, and 27, wherein one or more amino acid residues in said variant differs from the amino acid sequence of said mature form, provided that said variant differs in no more than 15% of the amino acid residues from the amino acid sequence of said mature form;~~
- ~~(c) an amino acid sequence selected from the group consisting of SEQ ID NOS:2, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, and 27;~~
- ~~(d) a variant of an amino acid sequence selected from the group consisting SEQ ID NOS:2, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, and 27, wherein one or more amino acid residues in said variant differs from the amino acid sequence of said mature form, provided that said variant differs in no more than 15% of amino acid residues from said amino acid sequence;~~
- ~~(e) a nucleic acid fragment encoding at least a portion of a polypeptide comprising an amino acid sequence chosen from the group consisting of SEQ ID NOS:2, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23, 25, and 27, or a variant of said polypeptide, wherein one or more amino acid residues in said variant differs from the amino acid~~

- ~~sequence of said mature form, provided that said variant differs in no more than 15% of amino acid residues from said amino acid sequence; and~~
~~(f) — a nucleic acid molecule comprising the complement of (a), (b), (c), (d) or (e).~~
6. (canceled).
7. (Currently amended). The nucleic acid molecule of claim 5, wherein the nucleic acid molecule encodes a polypeptide ~~comprising~~ consisting of the amino acid sequence SEQ ID NO:16 ~~of a naturally-occurring polypeptide variant.~~
8. (Currently amended). The nucleic acid molecule of claim 5, wherein the nucleic acid molecule ~~differs by a single nucleotide from~~ consists of the nucleic acid sequence SEQ ID NO: 15 ~~a nucleic acid sequence selected from the group consisting of SEQ ID NOS:1, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, and 26.~~
9. (Currently amended). The nucleic acid molecule of claim 5, wherein said nucleic acid molecule comprises the nucleic acid sequence SEQ ID NO: 15 ~~a nucleotide sequence selected from the group consisting of:~~
- (a) ~~a nucleotide sequence selected from the group consisting of SEQ ID NOS:1, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, and 26;~~
- (b) ~~a nucleotide sequence differing by one or more nucleotides from a nucleotide sequence selected from the group consisting of SEQ ID NOS:1, 3, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, and 26, provided that no more than 20% of the nucleotides differ from said nucleotide sequence;~~
- (c) ~~a nucleic acid fragment of (a); and~~
- (d) ~~a nucleic acid fragment of (b).~~
- 10-11. (Canceled).
12. (Currently amended). A vector comprising the nucleic acid molecule of claim 5 ~~11~~.

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13. (Original). The vector of claim 12, further comprising a promoter operably-linked to said nucleic acid molecule.
14. (Currently amended). An isolated cell comprising the vector of claim 12.
- 15-38. (Canceled).
39. (Currently amended). A ~~pharmaceutical~~ composition comprising the nucleic acid molecule of claim 5 and a ~~pharmaceutically-acceptable~~ carrier.
- 40-41. (Canceled).
42. (Currently amended). A kit comprising in one or more containers, the ~~pharmaceutical~~ composition of claim 39.
- 43-49. (Canceled).
50. (New). A nucleic acid molecule comprising a complement of a nucleotide sequence encoding a polypeptide comprising the amino acid sequence SEQ ID NO: 16.